

UNITED STATES DEPARTMENT OF THE INTERIOR  
 MINERALS MANAGEMENT SERVICE  
 GULF OF MEXICO REGION  
**ACCIDENT INVESTIGATION REPORT**

1. OCCURRED

DATE: **30-OCT-2006** TIME: **0800** HOURS

2. OPERATOR: **Murphy Exploration & Production Co**  
 REPRESENTATIVE: **Lawrence Travis**  
 TELEPHONE: **(504) 561-2781**  
 CONTRACTOR:  
 REPRESENTATIVE:  
 TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING DEVICE
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER

3. OPERATOR/CONTRACTOR REPRESENTATIVE/SUPERVISOR  
 ON SITE AT TIME OF INCIDENT:

6. OPERATION:

4. LEASE: **G16645**  
 AREA: **MC** LATITUDE:  
 BLOCK: **737** LONGITUDE:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER

5. PLATFORM:  
 RIG NAME: **DIAMOND OCEAN VICTORY**

6. ACTIVITY:  EXPLORATION(POE)  
 DEVELOPMENT/PRODUCTION  
 (DOCD/POD)

8. CAUSE:

7. TYPE:

- HISTORIC INJURY
  - REQUIRED EVACUATION
  - LTA (1-3 days)
  - LTA (>3 days)
  - RW/JT (1-3 days)
  - RW/JT (>3 days)
  - Other Injury

- EQUIPMENT FAILURE
- HUMAN ERROR
- EXTERNAL DAMAGE
- SLIP/TRIP/FALL
- WEATHER RELATED
- LEAK
- UPSET H2O TREATING
- OVERBOARD DRILLING FLUID
- OTHER \_\_\_\_\_

- FATALITY
- POLLUTION
- FIRE
- EXPLOSION

9. WATER DEPTH: **6108** FT.

- LWC  HISTORIC BLOWOUT
- UNDERGROUND
- SURFACE
- DEVERTER
- SURFACE EQUIPMENT FAILURE OR PROCEDURES

10. DISTANCE FROM SHORE: **120** MI.

11. WIND DIRECTION: **SE**  
 SPEED: **12** M.P.H.

12. CURRENT DIRECTION: **SSW**  
 SPEED: **1** M.P.H.

COLLISION  HISTORIC  >\$25K  <=\$25K

13. SEA STATE: **2** FT.

17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

Rig was T1H with a fast drill packer to secure the wellbore due to blind shear ram failure. Driller noticed an inadequate amount of fluid returns from drill pipe displacement. The ROV was launched to inspect the drilling riser and BOP's for leakage. The ROV found a leak on the riser connection a 2450 feet below the sea level. To date the rig has lost 63 bbls of # synthetic oil base mud (Rheliant) M. I. of which 54% or 34 bbls is base oil. After leaking approximately 8 hours the seepage stopped without any outside intervention.

18. LIST THE PROBABLE CAUSE(S) OF ACCIDENT:

**Worn seals in riser connection.**

19. LIST THE CONTRIBUTING CAUSE(S) OF ACCIDENT:

- 1) Rig movement.
- 2) Underwater currents

21. PROPERTY DAMAGED:

63 bbls of SBM

NATURE OF DAMAGE:

Lost Overbord

ESTIMATED AMOUNT (TOTAL):

\$14,175

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

No Recommendations to MMS.

The New Orleans District concurs with the operator's recommendations to prevent recurrence.

Currently, Murphy's procedure involves a visual inspection of all riser seals before riser runs and replacement of any seals with abnormalities (pitting, nicks, gashes, etc.), if necessary. This procedure will remain in place with more emphasis on a thorough seal inspection and communication of inspection results to the drilling foreman on the rig.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:

30-OCT-2006

26. ONSITE TEAM MEMBERS:

Justin Josey / Perry Jennings /

29. ACCIDENT INVESTIGATION

PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR:

Troy Trosclair

APPROVED

DATE: 11-JAN-2007

